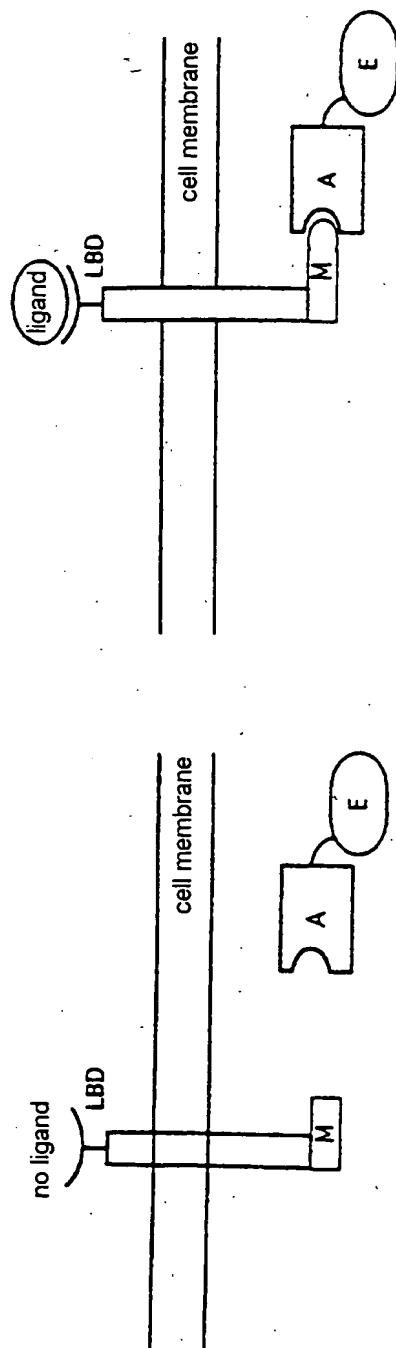


Diagrammatic representation of the detection of a ligand-membrane receptor interaction

Fig. 1



in the absence of the ligand there is
no phenotypical change in the cell

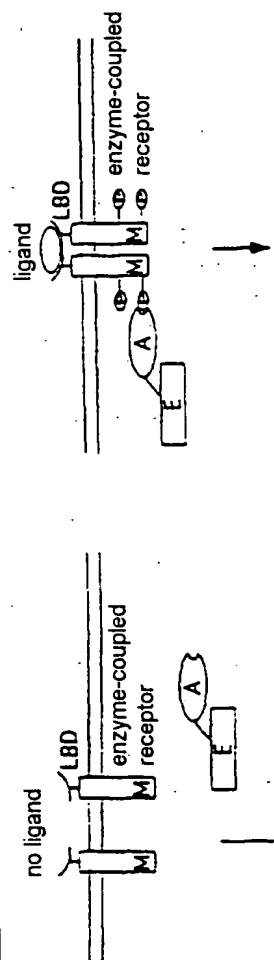
in the presence of the ligand there is a
phenotypical change in the cell

LBD : ligand-binding domain
M : mediator

A : adaptor
E : effector

Diagrammatic representation of a ligand-membrane receptor interaction
of an enzyme-coupled and of a G-protein-coupled receptor

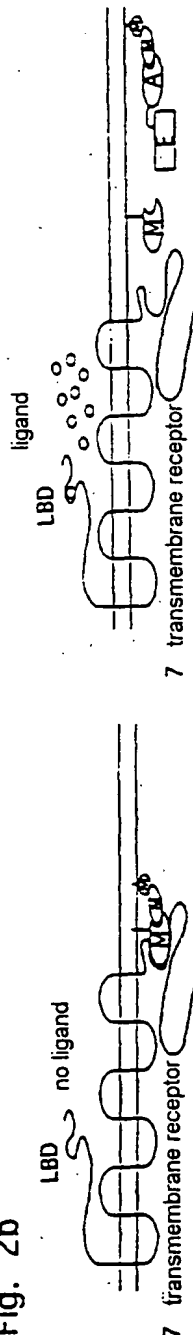
Fig. 2a



in the absence of the ligand there is
no phenotypical change in the cell

in the presence of the ligand there is a
phenotypical change in the cell

Fig. 2b



in the absence of the ligand there is
no phenotypical change in the cell

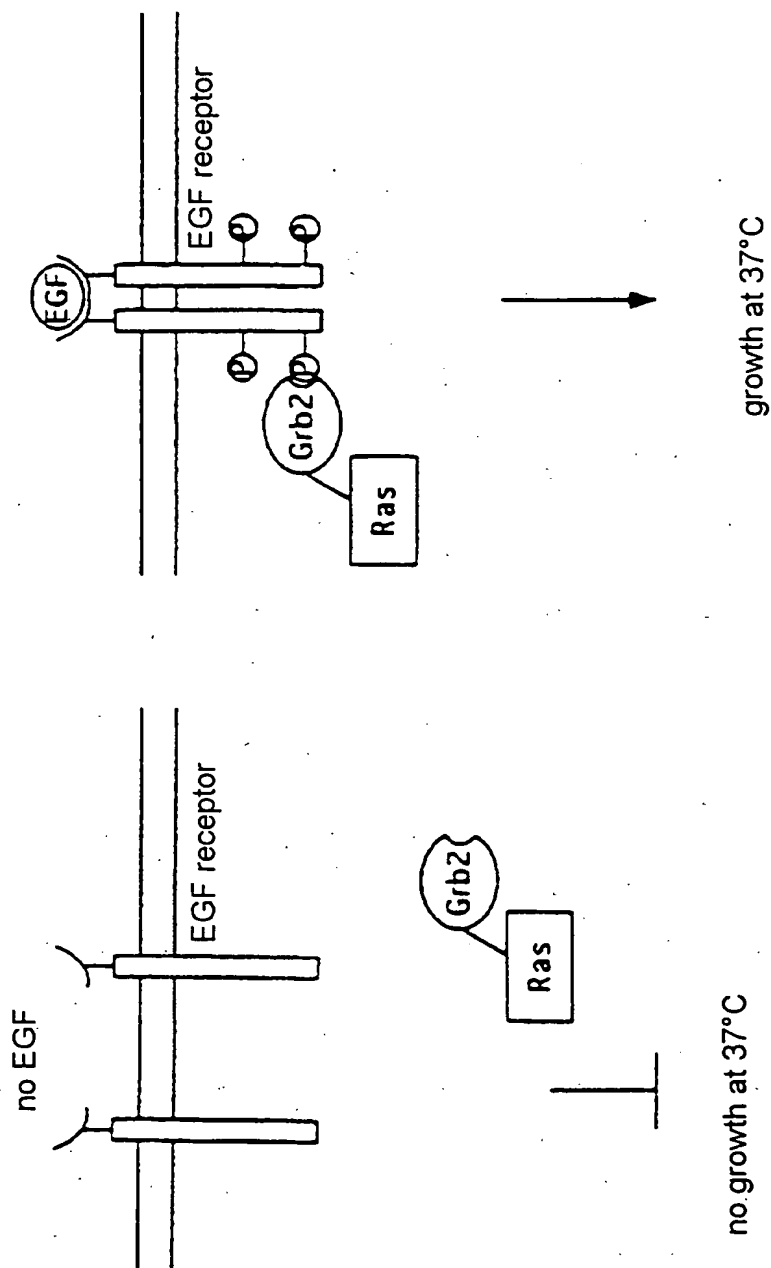
in the presence of the ligand there is a
phenotypical change in the cell

LBD : ligand-binding domain
M : mediator

A : adaptor
E : effector

Diagrammatic representation of the detection of the interaction
of EGF with the EGF receptor

Fig. 3



Diagrammatic representation of the detection of the interaction between
angiotensin and the angiotensin 1a receptor

Fig. 4

